

IN THE DRAWINGS

Please add FIG. 7.

IN THE CLAIMS

Please cancel claims 44 – 46.

Please amend the claims to read as indicated herein.

1 – 17. (canceled)

18. (currently amended) A system, comprising:

~~a source that provides a high DC voltage; and~~

a converter that receives a high DC voltage, and scales said high DC voltage to a low DC voltage; and

~~wherein~~ a controller that controls a firing rate of said converter so that said low DC voltage is less than or equal to ~~than~~ about 1/10 of said high DC voltage.

19. (currently amended) The system of claim 18,

~~wherein said source is a first source,~~ said high DC voltage is a first high DC voltage,
said converter is a first converter ~~and,~~ said low DC voltage is a first low DC voltage, and said controller is a first controller, and

wherein said system further comprises:

~~a second source that provides a second high DC voltage; and~~

a second converter that receives a second high DC voltage, and scales said second high DC voltage to a second low DC voltage; and

~~wherein~~ a second controller that controls a firing rate of said second converter so that said second low DC voltage is less than or equal to about 1/10 of said second high DC voltage, and; and

a bridge that couples said first and second low DC voltages to provide a low DC voltage feed

~~wherein said first and second low DC voltages are employed as a redundant low DC voltage feed.~~

20. (currently amended) The system of claim 19, wherein said ~~redundant~~ low DC voltage feed provides power at a level that is about equal to a sum of (a) power provided by said first converter and (b) power provided by said second converter.

21. (currently amended) The system of claim 18, further comprising a source for said high DC voltage, wherein said source ~~comprises~~ includes a rectifier that receives an AC voltage and converts said AC voltage to said high DC voltage.

22. (currently amended) The system of ~~claim 21, further comprising~~ claim 18, further comprising a source for said high DC voltage, wherein said source includes a flywheel that stores energy, and that discharges said energy to provide said high DC voltage ~~if said AC voltage is of an insufficient value~~.

23. (previously presented) The system of claim 21, wherein said AC voltage is in a range of about 208 to 480 VAC.

24. (currently amended) The system of claim 18, further comprising:
a source for said high DC voltage,

wherein said source and said converter are housed separately from one another, and wherein said system further comprises a conductor that routes said high DC voltage from said source to said converter.

25. (currently amended) The system of claim 18, wherein said system further comprises a bridge that couples an output from a first high DC voltage source and an output from a second high DC voltage to provide said high DC voltage to said converter.

~~wherein said source is a first source that provides said high DC voltage, and,~~
~~wherein said system further comprises a second source that also provides said high DC voltage.~~

26. (currently amended) The system of ~~claim 25, wherein said second source comprises a device~~ claim 18, further comprising a source that provides said high DC voltage, wherein said

source is selected from the group consisting of a rectifier, a flywheel, a fuel cell, a battery, an uninterruptible power supply and a generator.

27. (previously presented) The system of claim 18, wherein said high DC voltage is in a range of about 500 to 600 VDC.

28. (previously presented) The system of claim 18, wherein said low DC voltage is in a range of about 23 to 48 VDC.

29. (previously presented) The system of claim 18, wherein said converter provides greater than or equal to about 30kW of power.

30. (currently amended) A system, comprising:

a first converter that receives a first high DC voltage, and scales a said first high DC voltage to a first low DC voltage;~~and~~

a second converter that receives a second high DC voltage, and scales a said second high DC voltage to a second low DC voltage; ~~and~~

a bridge that couples said first and second low DC voltages to provide a low DC voltage feed

~~wherein said first and second low DC voltages are employed as a redundant low DC voltage feed.~~

31. (previously presented) The system of claim 30, wherein said first low DC voltage is less than or equal to about 1/10 of said first high DC voltage.

32. (currently amended) The system of claim 30, ~~further comprising wherein said bridge is~~ a first bridge, and wherein said system further comprises:

a second bridge that couples an output from a first high DC voltage source and an output from a second high DC voltage source to provide said first high DC voltage to said first converter; and

a third bridge that couples an output from a third high DC voltage source and an output from a fourth high DC voltage source to provide said second high DC voltage to said second converter

a first source that provides said first high DC voltage; and

~~a second source that also provides said first high DC voltage.~~

33. (currently amended) The system of ~~claim 32, wherein~~ claim 30, further comprising a source for said first high DC voltage, wherein said source ~~comprises~~ includes a device selected from the group consisting of a rectifier, a flywheel, a fuel cell, a battery, an uninterruptible power supply, and a generator.

34. (previously presented) The system of claim 30, further comprising a rectifier that converts an AC voltage to said first high DC voltage.

35. (previously presented) The system of claim 34, wherein said rectifier and said first converter are housed separately from one another, and wherein the system further comprises a conductor that routes said first high DC voltage from said rectifier to said first converter.

36. (currently amended) The system of ~~claim 34, further comprising~~ claim 30, further comprising a source for said first high DC voltage, wherein said source includes a flywheel that stores energy, and that discharges said energy to provide said first high DC voltage ~~if said AC voltage is of an insufficient value.~~

37. (previously presented) The system of claim 34, wherein said AC voltage is in a range of about 208 to 480 VAC.

38. (previously presented) The system of claim 30, wherein said first high DC voltage is in a range of about 500 to 600 VDC.

39. (previously presented) The system of claim 30, wherein said first low DC voltage is in a range of about 23 to 48 VDC.

40. (previously presented) The system of claim 30, wherein said first converter provides power of greater than or equal to about 30kW.

41. (currently amended) The system of claim 30, wherein said ~~redundant~~ low DC voltage feed provides power about equal to a sum of (a) power provided by said first converter and (b) power provided by said second converter.

42. (currently amended) The system of claim 30, wherein said ~~redundant~~ low DC voltage feed is ~~utilized by~~ routed to a device selected from the group consisting of a computer and a telecommunication apparatus.

43. (currently amended) The system of claim 42, wherein said device ~~utilizes~~ includes a power supply that is ~~other than~~ not a switching mode power supply.

44 – 46. (canceled)

Please add the following claims, newly numbered as claims 47 – 49.

47. (new) A facility comprising:

- a first bridge that couples an output from a first high DC voltage source and an output from a second high DC voltage source to provide a first high DC voltage;
- a second bridge that couples an output from a third high DC voltage source and an output from a fourth high DC voltage source to provide a second high DC voltage;
- a first converter that receives said first high DC voltage, and scales said first high DC voltage to a first low DC voltage;
- a first controller that controls a firing rate of said first converter so that said first low DC voltage is less than or equal to about 1/10 of said first high DC voltage;

a second controller that controls a firing rate of said second converter so that said second low DC voltage is less than or equal to about 1/10 of said second high DC voltage;
and
a third bridge that couples said first and second low DC voltages to provide a low DC voltage feed.

48. (new) The facility of claim 47, further comprising a device that receives said low voltage feed, wherein said device is selected from the group consisting of a computer and a telecommunication apparatus.

49. (new) The facility of claim 47, further comprising a device that receives said low voltage feed, wherein said device includes a power supply that is not a switching mode power supply.